

ABSTRACT

Code for a program is received by a compiler (or other entity). The code includes
5 an expression for a variable and a marker that specifies when the expressions should be
evaluated during execution of the program. Example markers can indicate that an
expression should be evaluated immediately, once or always. Additional functionality is
provided to the code in order to evaluate the expression at the specified time during
execution of the program. If the expression is to be evaluated always, then the expression
10 will likely be dependent on a item that can change. Functionality is provided that
evaluates the expression when the item changes so that the variable can be updated.